

Homeland Infrastructure Foundation-Level Data Subcommittee Update

*As Developed by the
HIFLD Executive Secretariat*

10 December 2018





HIFLD Subcommittee Agenda



Governance:

Action Item Review (*Informational*)



FY19 Planned Activities:

Website Updates (*Discussion*)

Intake of User-Provided Data (*Discussion*)

Symbology Progress (*Informational*)

GII / Data Management Site (*Informational*)

NGA Updates (*Informational*)



Discussion

Feedback Received from Tool (*Discussion*)



Governance: Action Item Review



| Item # | Action Item | Owner | Status |
|---------------|---|-------------------|-----------------------|
| 2016-06-01-01 | Have follow-up conversation with OCIA to discuss potential inclusion of the new asset list in development for HIFLD | Exec Sec and OCIA | In progress |
| 2016-06-01-02 | Provide lack of currentness disclaimer in IAL metadata record | Exec Sec | In progress |
| 2017-02-02-01 | Meet with NPPD Prioritization Branch to discuss IAL replacement layer in detail. | Exec Sec | In progress |
| 2017- 08-11 | Identify best location (Open or Secure) for energy layers identified by AZ utility companies as "sensitive" to industry | FGDC | Completed (Temporary) |
| | | | |
| | | | |



FY19 – Activities

Website Backlog Items

WHAT: Continuing to develop and improve site functionality

HOW: Development and Feedback, User Issues, etc.

IMPACT: Improve user experience, provide more efficient communication through automatic emailing, resolve distribution list issues.

ASK: Confirm Subcommittee Members can see the HIFLD Subcommittee drop down

Home ▾ About ▾ Tutorials and Resources ▾ HIFLD Subcommittee ▾ User Logout

Home / HIFLD Subcommittee

HIFLD Subcommittee

The Homeland Infrastructure Foundation-Level (HIFLD) Subcommittee develops, promotes, and executes a coordinated strategy for acquisition or development of homeland infrastructure geospatial information for Federal agencies while creating and utilizing partnerships with State, Tribal, territorial, local, and private organizations. The subcommittee serves as a focal point to coordinate homeland infrastructure geospatial information requirements among Federal, State, Tribal, territorial, local, and private organizations and to ensure coverage of homeland infrastructure geospatial information for all States, territories, and possessions.

Please see the resources listed below to learn more:

Subcommittee Agendas

| | | |
|--|--|---------|
| HIFLD Subcommittee Update_Meeting Agenda_May2018.pdf | HIFLD Subcommittee Update_Meeting Agenda_May2018.pdf | 2.57 MB |
| HIFLD Subcommittee Update_Meeting Agenda_27Feb2018.pdf | HIFLD Subcommittee Update_Meeting Agenda_27Feb2018.pdf | 1.9 MB |

Subcommittee Meetings Minutes

| | | |
|--|--|-----------|
| HIFLD Subcommittee Meeting_Meeting Minutes_May 2018.pdf | HIFLD Subcommittee Meeting_Meeting Minutes_May 2018.pdf | 489.03 KB |
| HIFLD Subcommittee Meeting_Meeting Minutes_February 2018.pdf | HIFLD Subcommittee Meeting_Meeting Minutes_February 2018.pdf | 454.26 KB |



FY19 – Activities



Intake of Data Submitted by User Community

WHAT: Provide a mechanism in which users are able to provide specific data updates to data owners, and can be incorporated and updated

HOW: Produce a white paper exploring options for users to submit their “more accurate” data to the HIFLD team to be incorporated and updated within the HIFLD Data Catalog

IMPACT: User community continually asks how they can provide updates to data that is incorrect or outdated. The HIFLD team would like to provide a platform in which users can identify gaps, mistakes, or adjustments and get the data updated in near- real time.



FY19 – Activities

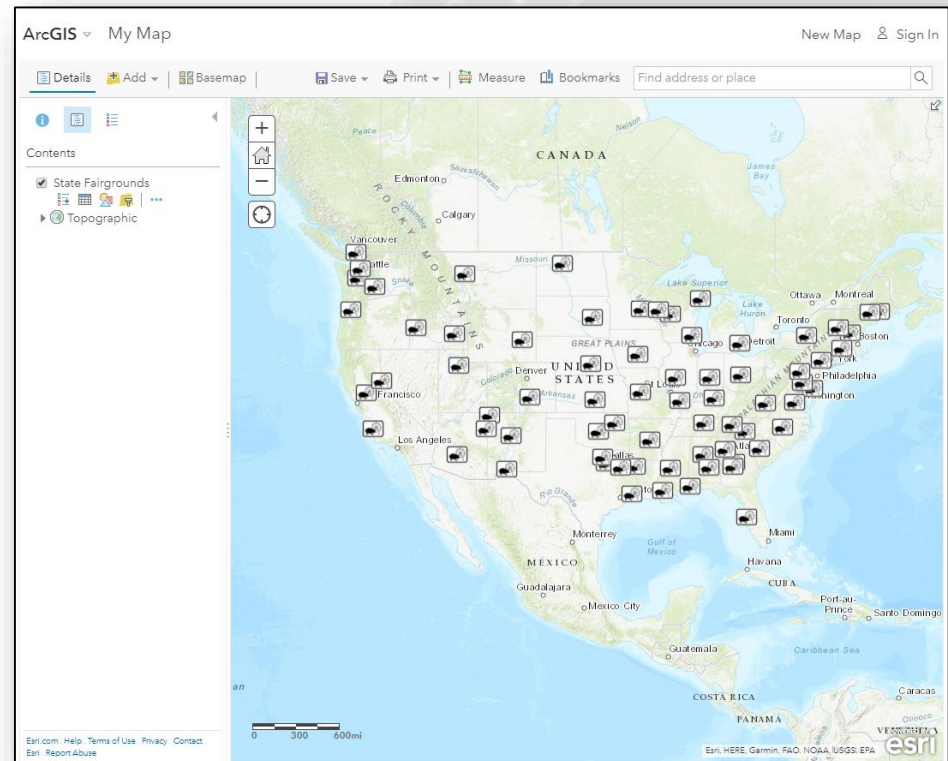


Data Enhancement – Symbology

WHAT: Continuing to develop the symbology for HIFLD Data Offerings with priority on data layers accepted or nominated to Esri Living Atlas.

HOW: Working through partnership with NAPSG to design and develop the symbology and put these out for user acceptance.

IMPACT: The current FGDC homeland security symbols used for HIFLD are difficult to understand and have gaps. Fleshing out the remaining symbols (other symbols enabled on open that are hosted by HIFLD) will allow for consistent communication about incidents across all mission partners.





FY19 –Activities

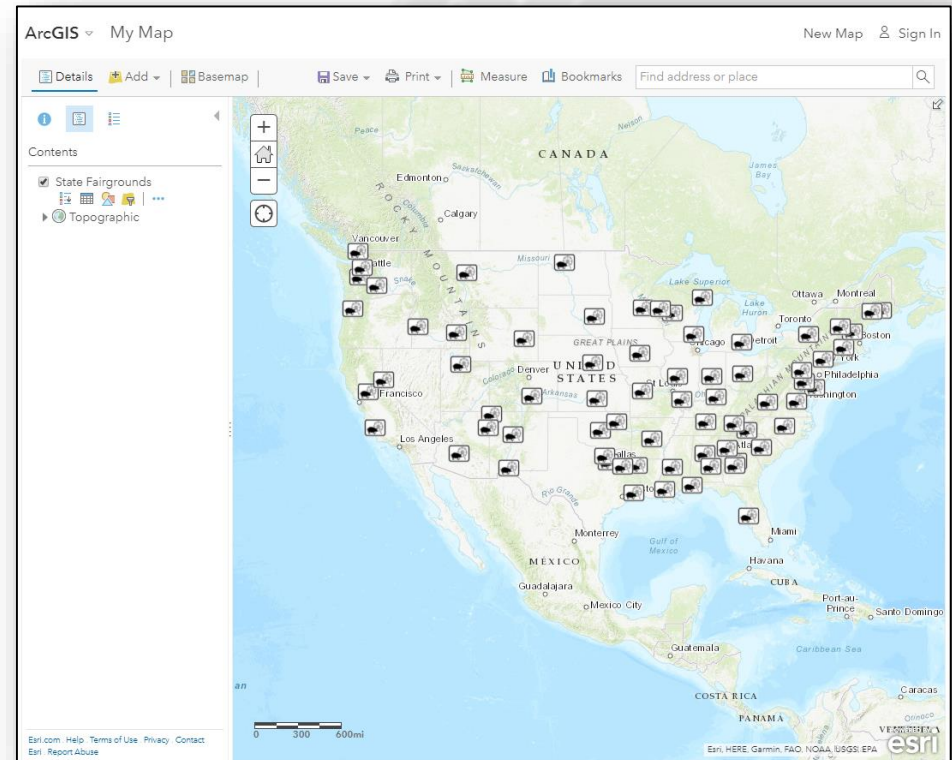


Data Enhancement – Symbology

WHAT: Developing initial framework to support symbology for HIFLD Data beyond point infrastructure data.

HOW: Working through partnership with NAPSG to design and develop the symbology framework to include lines and polygons, Special Security Events and guidance on portraying status and severity.

IMPACT: As geospatial data becomes operationalized in decisions support tools, the consistent communication of those features remains critical across all mission partners. The expansion will allow for more areas of consistent visualization of HIFLD and operational data during an incident.

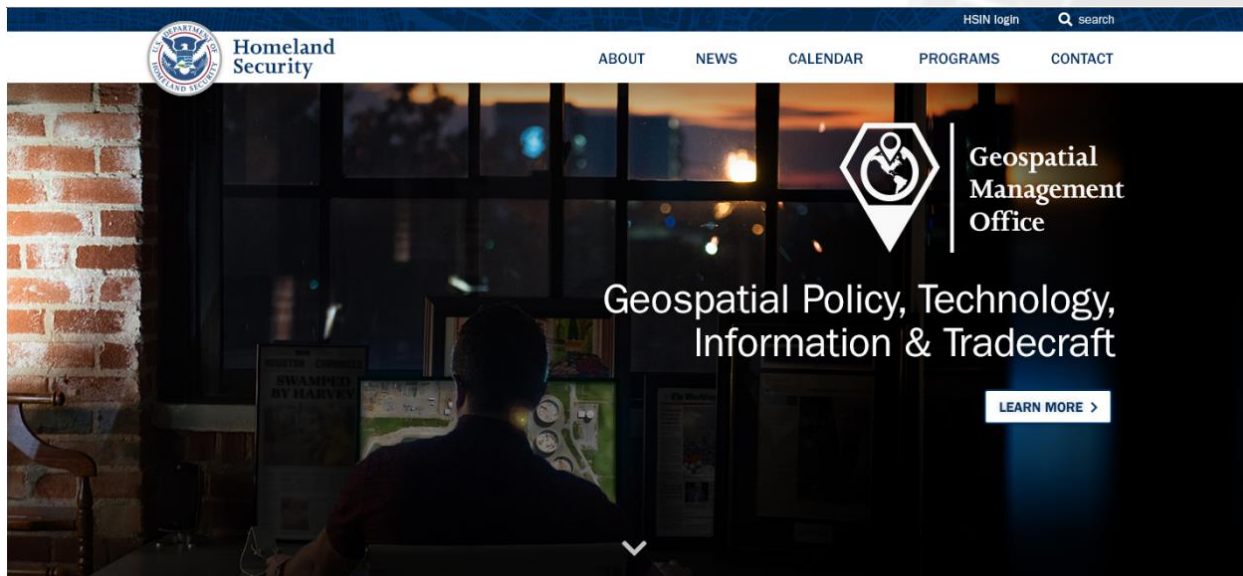




FY19 – Planned Major Activities

Updated Data Management Site – Hosted by GMO

- **WHAT:** Create a Data Management Site to serve the greater mission community in tandem with HIFLD Community
- **HOW:** Using HIFLD website as template, provide a new site for GII/GMO
- **IMPACT:** The new site will eventually allow users to see ALL geospatial data offered through the GII Portal, select which data to which they'd like to gain access, and enable self-service governance for the data/system owner.





NGA Data Updates



Data Access

Data Use Agreement (DUA)

- Streamlined/ simplified process
- Web based

The new DUA includes the following improvements:

- Allows full utilization of data licenses
- Clearly defines who a “Mission Partner” is
- Removed unnecessary language
- Provides additional guidance for Scope of Use
- Includes links to supplemental information (e.g. license language, User Matrix)
- Provides information on how to cite HIFLD Data
- Provides guidance for derived products



Data Analysis, Prioritization, & Enhancement

Data Enhancement Update (HIFLD Secure)

❖ Transportation Data (HERE)

- Updated data coming early 2019 (estimated)
 - License agreement: Expanded access
 - Download and Use for **all federal, state, local, territorial, tribal agencies and partners.**
- Data currently being reviewed

❖ Parcel Data

- Update posted on HIFLD Secure, Sep. 2018
 - Current as of 15 May 2018
- Additional update coming Jan. 2019 (est.)
- Currently being reviewed
 - Current as of 15 Aug. 2018

❖ Business Points Data—RFP and strategy for FY18

- No update since 2016;
 - Attempted to acquire Business Points data thru an RFP in FY18, unsuccessful due to funding limitations.
- NGA plans to pursue RFP for Business Points FY19



Data Analysis, Prioritization, & Enhancement

Data Enhancement Update *continued*

❖ ORNL

○ Available OPEN

Enhancements

- Hospitals (Sept 2018)
- Public Schools (June 2018)
- Colleges & Universities (June 2018)
- Supplemental Colleges (June 2018)
- Private Schools (June 2018)
- Child Care (Sept 2018) → former name: Day Care
- Solid Waste (Sept 2018)
- Nursing Homes (Sept 2018)
- Mobile Home Parks (Sept 2018)
- Prisons (Sept 2018)
- Power Electric (Numerous) (Sept 2018)
- POL Layers (Numerous) (Sept 2018)

Coming Soon (New)

- Law Enforcement - state and local (Oct 2019)
- College Polygons (July 2019)

No Updates

- Major Sport Venues
- National Shelters
- Public Transit

○ Available SECURE

Enhancements

Landscan USA 2017
Distribution Control Facilities

New Layer

Pol NG Pipeline UNDER REVIEW DOT



Data Analysis, Prioritization, & Enhancement

Data Enhancement Update (*Informational*)

Initial Quality Control assessments have been performed on all data.

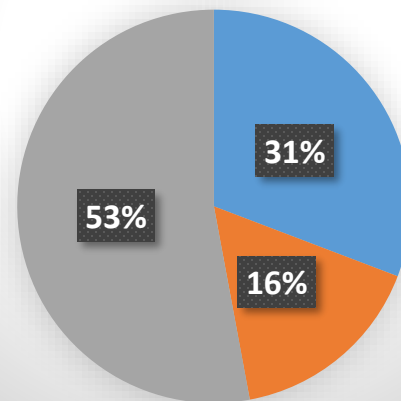
Enhancements now focused on layers with REST services.

Enhancement includes: attribute standardization, addressing blank attribution, completing metadata, updating geolocation

- ❖ Enhancements to 121 datasets are completed and have been published to HIFLD Secure/Open
- ❖ 64 Layers are in progress and actively being worked by the enhancement team.
- ❖ There are 208 additional layers slated for enhancement

Data Enhancement Status

- Complete and Published to HIFLD Secure/Open
- In Work
- Slated for Enhancement





Data Analysis, Prioritization, & Enhancement

Layers Recommended for Addition (*Informational*)

Three Layers Recommended for Addition:

- Bureau of Ocean Energy Management (BOEM) – Submerged Lands Act Boundary: many maritime limits already in HIFLD; this additional maritime limit provides the legal delineation between state and federal jurisdictions concerning natural resources.
- National Oceanic & Atmospheric Administration (NOAA) Electronic Navigational Charts (ENCs): USACE inland ENC information already in HIFLD; completes the full ENC national picture
- Healthcare Ready Pharmacies: pharmacy information available nationwide; includes status information during events



Data Analysis, Prioritization, & Enhancement

Orphaned Data Layer Updates (*Informational*)

Orphaned Data Layers Need Stewards:

- Aeronautical Navigational Aids (NAVAID) Facilities
- All Places of Worship
- Anchor and Mooring Locations
- Area Code Boundaries
- Breakwater Lines
- Breakwater Locations
- Channels
- Cruise Line Terminals
- DHL Facilities
- FedEx Facilities
- Fortune 500 Corporate Headquarters
- General Manufacturing Facilities
- Gold Bullion Repositories
- Government Financial Processing Centers
- Governors Mansions
- Information Technology (IT) Location Portals
- Internet Exchange Points
- Internet Service Providers
- Nuclear Fuel Plants
- Nuclear Research Facilities
- Private Non-Retail Shipping Facilities
- Propane Retailer Locations
- Truck Driving Schools
- UPS Facilities



Data Analysis, Prioritization, & Enhancement

HIFLD Feedback Session/GeoPlatform Workshop (Nov 1-2) *(Informational)*

- Over 160 attendees (in-person and via webinar)
 - Federal, state, local, industry, academia
- Main goals were to:
 - Enhance the ability to leverage mission efficiencies, interagency collaboration, and event-driven solutions
 - Enable information sharing by encouraging use of dynamic geospatial web-service capabilities facilitated and promoted by HIFLD and the GeoPlatform
 - Facilitate dialogue across the community on barriers to event-driven collaboration, identify challenges, and discuss and advance solutions
- Presentation slides and executive summary posted:
 - <https://gii.dhs.gov/hifld/>



Data Analysis, Prioritization, & Enhancement

Community Feedback *(Informational)*

Themes in feedback from the HIFLD/GeoPlatform Event:

- Data/Enhancement – clearer data feedback process; data transfer process clarity; updated data identification and communication; additional layers
- Website/Technology – batch download options; disconnected environment data gathering; more access to metrics; service connectivity; ArcGIS Pro integration
- Community/Outreach – increased awareness of available communities; guides, videos, and training for access and use; international collaboration; increased SLTT outreach

Feedback is currently being considered and addressed – will continue with this feedback and any additional feedback received

We want & need additional feedback from the community!



Discussion



Review of Feedback Items



Feedback Received from Tool

- Requests for Layers:
 - Gun Dealers
- Bulk Download – continues to be priority ask:
 - PNNL
 - FBI
 - NRMCC
- Request update on hosting HIFLD Data on SIPR
- SVG symbol rendering does not work in some applications. (ArcMap 10.4.1, and Latitude Geographics Essentials). Possibility to change to PNG or JPEG?





Planned Engagement / Outreach:



| Event | Dates | Location |
|--|----------------------|----------------|
| JOINT Geospatial Platform Workshop/HIFLD Feedback Session | November 1 & 2, 2018 | Reston, VA |
| 2018 NAPSOG National Geospatial Preparedness Summit (NGPS) | December 3-4, 2018 | Boulder, CO |
| Wyoming Fusion Center Visit | December 5 & 6, 2018 | Cheyenne, WY |
| 2019 State of the Union | TBD January 2019 | Washington, DC |
| NSSE/SEAR Ball Drops | December 31/Jan 1 | Various |
| FedGIS | January 29-30 | Washington, DC |
| What is HIFLD – Various Demos under Tutorials and Resources | | |
| | | |